RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/537,280
Source: PCT - EFS
Date Processed by STIC: 1-9-06

ENTERED

PCT

RAW SEQUENCE LISTING DATE: 01/09/2006
PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

```
      3 <110> APPLICANT: Sanders, Jane
      4       Furmaniak, Jadwiga
      5       Smith, Bernard Rees
      7 <120> TITLE OF INVENTION: Binding Partners for the Thyrotropin Receptor and uses
thereof
      9 <130> FILE REFERENCE: URQU.P-016
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/537,280
C--> 13 <141> CURRENT FILING DATE: 2005-05-27
     15 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/005171
     16 <151> PRIOR FILING DATE: 2003-11-28
     19 <150> PRIOR APPLICATION NUMBER: GB 0227964.4
     20 <151> PRIOR FILING DATE: 2002-11-29
     22 <150> PRIOR APPLICATION NUMBER: GB 0302140.9
     23 <151> PRIOR FILING DATE: 2003-01-29
     25 <150> PRIOR APPLICATION NUMBER: GB 0315147.9
     26 <151> PRIOR FILING DATE: 2003-06-27
     28 <160> NUMBER OF SEQ ID NOS: 38
     30 <170> SOFTWARE: PatentIn version 3.1
     32 <210> SEQ ID NO: 1
     33 <211> LENGTH: 121
     34 <212> TYPE: PRT
     35 <213> ORGANISM: Homo sapiens
     37 <400> SEQUENCE: 1
     39 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
     40 1               5                   10                  15
     43 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
     44             20                  25                  30
     47 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
     48         35                  40                  45
     51 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
     52     50                  55                  60
     55 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
     56 65                  70                  75                  80
     59 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
     60                 85                  90                  95
     63 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
     64             100                 105                 110
     67 Gln Gly Thr Leu Val Thr Val Ser Ser
     68         115                 120
     71 <210> SEQ ID NO: 2
     72 <211> LENGTH: 5
     73 <212> TYPE: PRT
     74 <213> ORGANISM: Homo sapiens
     76 <400> SEQUENCE: 2
```

RAW SEQUENCE LISTING DATE: 01/09/2006
PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

```
78 Ser Tyr Trp Ile Asn
79 1               5
82 <210> SEQ ID NO: 3
83 <211> LENGTH: 17
84 <212> TYPE: PRT
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 3
89 Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe Lys
90 1               5                   10                  15
93 Gly
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 12
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 4
104 Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn
105 1               5                   10
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 131
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 5
115 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
116 1               5                   10                  15
119 Ser Leu Lys Ile Ser Cys Arg Gly Ser Gly Tyr Arg Phe Thr Ser Tyr
120             20                  25                  30
123 Trp Ile Asn Trp Val Arg Gln Leu Pro Gly Lys Gly Leu Glu Trp Met
124         35                  40                  45
127 Gly Arg Ile Asp Pro Thr Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
128     50                  55                  60
131 Lys Gly His Val Thr Val Ser Ala Asp Lys Ser Ile Asn Thr Ala Tyr
132 65                  70                  75                  80
135 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Gly Met Tyr Tyr Cys
136                 85                  90                  95
139 Ala Arg Leu Glu Pro Gly Tyr Ser Ser Thr Trp Ser Val Asn Trp Gly
140             100                 105                 110
143 Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
144         115                 120                 125
147 Val Phe Pro
148     130
151 <210> SEQ ID NO: 6
152 <211> LENGTH: 111
153 <212> TYPE: PRT
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 6
158 Leu Thr Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Arg Gln
159 1               5                   10                  15
162 Arg Val Thr Ile Ser Cys Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn
163             20                  25                  30
```

RAW SEQUENCE LISTING DATE: 01/09/2006
PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

Ala Val Asn Trp Tyr Gln Gln Leu Pro Gly Lys Ala Pro Lys Leu Leu
35 40 45
Ile Tyr Tyr Asp Asp Gln Leu Pro Ser Gly Val Ser Asp Arg Phe Ser
50 55 60
Gly Ser Arg Ser Gly Thr Ser Ala Ser Leu Ala Ile Arg Gly Leu Gln
65 70 75 80
Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Thr Ser Trp Asp Asp Ser Leu
85 90 95
Asp Ser Gln Leu Phe Gly Gly Gly Thr Arg Leu Thr Val Leu Gly
100 105 110

<210> SEQ ID NO: 7
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 7
Ser Gly Asn Ser Ser Asn Ile Gly Asn Asn Ala Val Asn
1 5 10

<210> SEQ ID NO: 8
<211> LENGTH: 7
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 8
Tyr Asp Asp Gln Leu Pro Ser
1 5

<210> SEQ ID NO: 9
<211> LENGTH: 11
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 9
Thr Ser Trp Asp Asp Ser Leu Asp Ser Gln Leu
1 5 10

<210> SEQ ID NO: 10
<211> LENGTH: 363
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 10
caaatgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc 60
tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg 120
cccgggaaag gcctagagtg gatgggcagg attgatccta ctgactctta taccaactac 180
agtccatcct tcaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac 240
ctgcagtgga gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa 300
ccgggctata gcagcacctg gtccgtaaat tggggccagg gaaccctggt caccgtctcc 360
tca 363

<210> SEQ ID NO: 11
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 11
agctactgga tcaac 15

RAW SEQUENCE LISTING DATE: 01/09/2006
PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

<210> SEQ ID NO: 12
<211> LENGTH: 51
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 12
aggattgatc ctactgactc ttataccaac tacagtccat ccttcaaagg c 51

<210> SEQ ID NO: 13
<211> LENGTH: 36
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13
ctcgaaccgg gctatagcag cacctggtcc gtaaat 36

<210> SEQ ID NO: 14
<211> LENGTH: 394
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 14
caaatgcagc tggtgcagtc tggagcagag gtgaaaaagc ccggggagtc tctgaagatc 60
tcctgtaggg gttctggata caggtttacc agctactgga tcaactgggt gcgccagctg 120
cccgggaaag gcctagagtg gatgggcagg attgatccta ctgactctta taccaactac 180
agtccatcct tcaaaggcca cgtcaccgtc tcagctgaca agtccatcaa cactgcctac 240
ctgcagtgga gcagcctgaa ggcctcggac accggcatgt attactgtgc gaggctcgaa 300
ccgggctata gcagcacctg gtccgtaaat tggggccagg gaaccctggt caccgtctcc 360
tcagcctcca ccaagggccc atcggtcttc cccc 394

<210> SEQ ID NO: 15
<211> LENGTH: 333
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 15
ctgcctgtgc tgactcagcc accctcggtg tctggagccc ccaggcagag ggtcaccatc 60
tcctgttctg gaaacagctc caacatcgga aataatgctg taaactggta ccagcagctc 120
ccaggaaagg ctcccaaact cctcatttat tatgatgatc aactgccctc aggggtctct 180
gaccgattct ctggctccag gtctggcacc tccgcctccc tggccatccg tgggctccag 240
tctgaggatg aggctgatta ttactgtaca tcatgggatg acagcctgga tagtcaactg 300
ttcggcggag ggaccaggct gaccgtccta ggt 333

<210> SEQ ID NO: 16
<211> LENGTH: 39
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 16
tctggaaaca gctccaacat cggaaataat gctgtaaac 39

<210> SEQ ID NO: 17
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 17
tatgatgatc aactgccctc a 21

<210> SEQ ID NO: 18
<211> LENGTH: 33

RAW SEQUENCE LISTING DATE: 01/09/2006
PATENT APPLICATION: US/10/537,280 TIME: 08:29:26

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 18
acatcatggg atgacagcct ggatagtcaa ctg 33
<210> SEQ ID NO: 19
<211> LENGTH: 119
<212> TYPE: PRT
<213> ORGANISM: Mus sp.
<400> SEQUENCE: 19
Asp Val Gln Ile Gln Gln Pro Gly Thr Glu Leu Val Lys Pro Gly Ala
1 5 10 15
Ser Val Arg Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
20 25 30
Trp Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45
Gly Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe
50 55 60
Lys Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
65 70 75 80
Met His Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
85 90 95
Ser Arg Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly
100 105 110
Thr Thr Leu Thr Val Ser Ser
115
<210> SEQ ID NO: 20
<211> LENGTH: 5
<212> TYPE: PRT
<213> ORGANISM: Mus sp.
<400> SEQUENCE: 20
Thr Tyr Trp Met His
1 5
<210> SEQ ID NO: 21
<211> LENGTH: 17
<212> TYPE: PRT
<213> ORGANISM: Mus sp.
<400> SEQUENCE: 21
Glu Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Gln Lys Phe Lys
1 5 10 15
Gly
<210> SEQ ID NO: 22
<211> LENGTH: 10
<212> TYPE: PRT
<213> ORGANISM: Mus sp.
<400> SEQUENCE: 22
Asn Tyr Gly Ser Gly Tyr Tyr Phe Asp Tyr
1 5 10
<210> SEQ ID NO: 23
<211> LENGTH: 124

VERIFICATION SUMMARY DATE: 01/09/2006
PATENT APPLICATION: US/10/537,280 TIME: 08:29:27

Input Set : N:\efs\10537280_efs\URQUP16_seq.txt
Output Set: N:\CRF4\01092006\J537280.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date